PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

JUN 2 4 2002

Translation

(PCT Article 36 and Rule 70)

TECH CENTER 1600/2900

Applicant's or agent's file reference A005990	FOR FURTHER ACTION	SeeNotificationofTransmittalofInternational Preliminary Examination Report (Form PCT/IPEA/416)		
International application No. PCT/JP99/01803	International filing date (day/n 06 April 1999 (06.04			
International Patent Classification (IPC) or no C12N 5/00, A61K 45/00	<u> </u>			
Applicant	SHIONOGI & CO.,	, LTD.		
and is transmitted to the applicant ac 2. This REPORT consists of a total of	ccording to Article 363 sheets, including			
amended and are the basis for 70.16 and Section 607 of the		of the description, claims and/or drawings which have been tining rectifications made before this Authority (see Rule der the PCT).		
This report contains indications relat	ting to the following items:			
I Basis of the report				
II Priority				
III Non-establishment o	of opinion with regard to novelty	ty, inventive step and industrial applicability		
IV Lack of unity of inve	ention			
V Reasoned statement citations and explana	under Article 35(2) with regard ations supporting such statemen	d to novelty, inventive step or industrial applicability; nt		
VI Certain documents c	cited			
VII Certain defects in the	e international application			
VIII Certain observations	s on the international application	n ·		
Date of submission of the demand	Date o	of completion of this report		
16 July 1999 (16.07.19	999)	28 December 1999 (28.12.1999)		
Name and mailing address of the IPEA/JP Japanese Patent Office, 4-3 Kasumigas		orized officer		

Telephone No. (81-3) 3581 1101

Facsimile No.

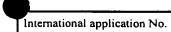
Chiyoda-ku, Tokyo 100-8915, Japan

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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	of the report	
1. With	regard to the elements of the international application:*	
\boxtimes	the international application as originally filed	
	the description:	
	pages	, as originally filed
	Pages	, filed with the demand
	pages, filed with the letter of	
	the claims:	
	pages	, as originally filed
	pages , as amended (together with any sta	ntement under Article 19
	pages	, filed with the demand
	pages, filed with the letter of	
	the drawings:	
	pages	, as originally filed
	pages	, filed with the demand
	pages, filed with the letter of	
	the sequence listing part of the description:	·
ٔ ب	pages	, as originally filed
	pages	
	pages, filed with the letter of	
3. With preli	regard to the language, all the elements marked above were available or furnished to this Authority neternational application was filed, unless otherwise indicated under this item. The elements were available or furnished to this Authority in the following language the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). The language of publication of the international application (under Rule 48.3(b)). The language of the translation furnished for the purposes of international preliminary examination or 55.3). The regard to any nucleotide and/or amino acid sequence disclosed in the international application application was carried out on the basis of the sequence listing: contained in the international application in written form. Filed together with the international application in computer readable form. Furnished subsequently to this Authority in written form. The statement that the subsequently furnished written sequence listing does not go beyon international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the writen furnished. The amendments have resulted in the cancellation of:	which is: on (under Rule 55.2 and/ cation, the international d the disclosure in the
5.	the description, pages the claims, Nos the drawings, sheets/fig This report has been established as if (some of) the amendments had not been made, since they ha	ive been considered to go
* Repling the same and	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** lacement sheets which have been furnished to the receiving Office in response to an invitation under his report as "originally filed" and are not annexed to this report since they do not contain 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this and annexed to this section.	amenaments (Rule 70.10



Reasoned statement under Artic	le 35(2) with res	gard to novelty, inve	ntive step or industr	rial applicability:	
citations and explanations supp					
Statement					
Novelty (N)	Claims		1-17		YE
	Claims			÷	NC
Inventive step (IS)	Claims		1-17		YE
<u>-</u> · · ·	Claims				NC
Industrial applicability (IA)	Claims		1-17		 YE
	Claims	· · · · · · · · · · · · · · · · · · ·	1-1/		NC
		· · · · · · · · · · · · · · · · · · ·			
Citations and explanations					
ISR nor in the documents art easily achieve those in					cilled in th
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